

Discover® ADVANCED ENERGY

Lithium-Ion Battery Systems



RAPI-CHARGE

LEAD THE CHARGE.

DISCOVER AES RECHARGES UP TO 5x FASTER OVER LEAD-ACID BATTERIES.

Discover's RAPI-CHARGE charge source optimization allows Discover AES LiFePO₄ batteries to fully recharge up to 5x faster than new lead acid batteries or up to 10x faster than aged lead acid batteries.

THE BATTERY MANAGEMENT SYSTEM (BMS) AND CHARGE CONTROL. SYSTEM OF DISCOVER AES LIFEPO4 BATTERIES OPTIMIZE CHARGE CURRENT AND VOLTAGE TO SAFELY RECHARGE THE BATTERY AT THE HIGHEST AND MOST EFFICIENT RATE REGARDLESS OF ITS STATE OF CHARGE.

Even the highest quality lead acid batteries require lengthy absorption and equalization stages to achieve a fully charged state. Unlike flooded batteries, Discover AES LiFePO₄ batteries accept a charge at maximum inputs throughout the charging process and don't require "absorption" or "equalization" overcharge stages. Those charging stages waste energy, money and time, and the losses are further compounded as lead acid batteries age.

The RAPI-CHARGE capability of Discover AES LiFePO₄ batteries allows solar installers to design systems using smaller arrays and for homeowners to dramatically reduce diesel consumption when compared to systems utilizing high quality, lead acid batteries.